

## PRACTICE QUESTION-7

```
package psone;
class inner1{
    String msg="Welcome";
    class inner{
        void display() {
            System.out.println(msg+"");
        }
    }
}
class inner2{
    String msg="Come";
    void display() {
        class innerr{
            void msg() {
                System.out.println("Innerclasses");
            }
        }
        innerr in=new innerr();
        in.msg();
    }
}
abstract class ainner{
    public abstract void display();
}
public class Pseven {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        inner1 in1=new inner1();
        inner1.inner in=in1.new inner();
        in.display();

        inner2 in2=new inner2();
        in2.display();

        ainner ai=new ainner() {
            public void display(){
                System.out.println("ainner");
            }
        };
        ai.display();
    }
}
```

```
}  
  
}
```



The screenshot shows an IDE with a tabbed interface at the top containing files: Psone.java, Pstwo.java, Psthree.java, Psfour.java, Pssix.java, and Pseven.java. The Pseven.java tab is active, displaying the following Java code:

```
15     System.out.println("Innerclasses");  
16     }  
17     }  
18     innerr in=new innerr();  
19     in.msg();  
20     }  
21 }  
22 abstract class ainner{  
23     public abstract void display();  
24 }  
25 public class Pseven {  
26  
27     public static void main(String[] args) {  
28         // TODO Auto-generated method stub  
29         inner1 in1=new inner1();  
30         inner1.innerr in=in1.new inner();  
31         in.display();  
32  
33         inner2 in2=new inner2();  
34         in2.display();  
35     }  
}
```

Below the code editor is a toolbar with icons for Markers, Properties, Servers, Data Source Explorer, Snippets, Problems, and Console. The Console tab is selected, showing the output of the program:

```
<terminated> Pseven [Java Application] /usr/lib/jvm/java-8-openjdk-amd64/bin/java (May 5, 2023, 9:32:14 AM)  
Welcome  
Innerclasses  
ainner
```